

**Application**

- RCL - runway centre line light
  - \* usable for LAHSO (Land and Hold Short Operations)
- RETIL - rapid exit taxiway indicator light
- TDZ - touchdown zone light
  - \* usable for MALS (Medium Intensity Approach Lighting System)
- THL - Take-off hold light part of RWSL
  - \* usable as RIL (Runway Intersection Light)
  - \* RWSL (Runway Status Light)

**Classification**

- FAA AC 150/5345-46: Class 2, Mode 1, Style 3
- IEC TS 61827: Style 3

**Accordance with**

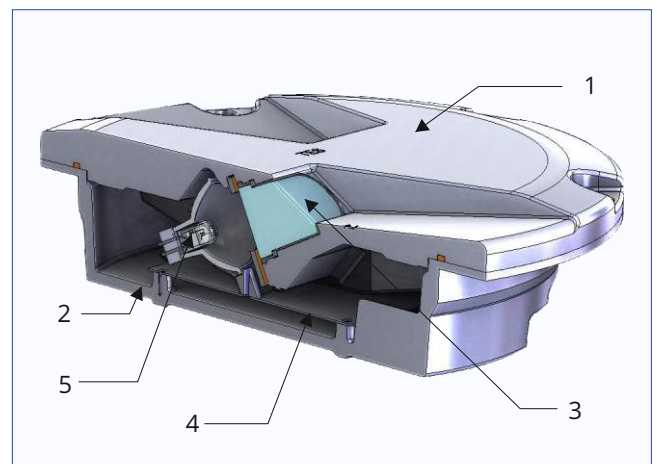
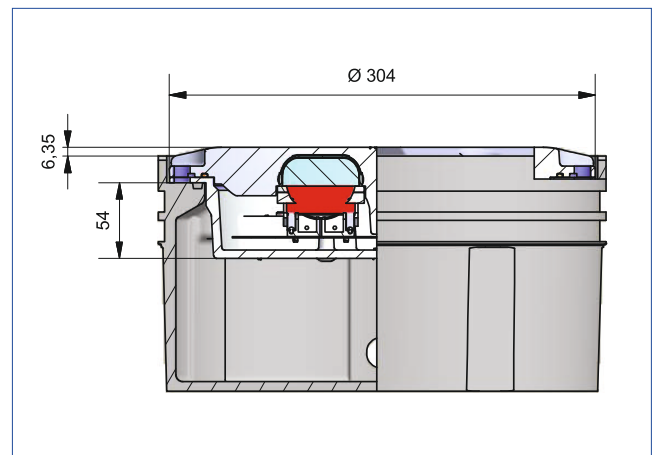
- ICAO Annex 14, Vol. 1  
Figure: A1-1a, A2-5, A2-6, A2-7 Cat III, A2-26
- IEC TS 61827
- EASA CS-ADR-DSN  
Figure: U-1, U-10, U-11 Cat III
- TP312  
Figure: B-5, B-7, B-24(a)
- FAA AC 150/5345-46E\*  
L-850A, L-850B, L-850F  
\* photometrically compatible
- АП-170, Tom II

**Properties**

- very low protrusion: 6,35 mm
- size: diameter 304 mm (12")
- installation depth in base: 54 mm
- simple and durable aluminum design
- long-term optical stability due to the usage of cold mirror reflector lamps
- non-glued easily replaceable prisms
- effective maintenance due to many common parts with TI40, TI41, TI70, TI71 and TI72 series
- TDZ lights available with or without toe-in

**Mechanical parameters**

- weight (cardboard box) ~7,0 kg
- dimensions (cardboard box) 325×315×115 mm

**Construction**

1. aluminium body - top part
2. aluminium body - bottom part
3. prism with gasket (sealing)
4. lamp holder
5. cold mirror reflector lamp

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## TI71

**Resistance to**

- temperature -55 ÷ +55 °C and thermal shock
- humidity, snow, ice and water, watertight IP68
- salt fog, solar and UV radiation
- static and shear load, recurrent mechanical and hydraulic impact according to the IEC TS 61827
- vibrations 20 ÷ 2 000 Hz with acceleration 10/15 G

**Light source**

- standard 50 mm diameter airfield cold mirror reflector halogen 6,6 A lamp

**Power source**

- isolating transformer with 6,6 A on secondary output (transformer power according to used lamp/lamps)

**SKU**

**light fixture group** \_\_\_\_\_

- 1 - unidirectional (RCL, RETIL, TDZ, THL)
- 2 - bidirectional (RCL)
- 3 - bidirectional, separate power leads (RCL)

**light fixture function** \_\_\_\_\_

- RCL - runway centre line
- RETIL - rapid exit taxiway indicator light
- TDZ - touchdown zone
- THL - take-off hold light

**toe-in (L/R defined for first specified color)** \_\_\_\_\_

- /L - left toe-in
- /R - right toe-in

**beam color** \_\_\_\_\_

- R - red | W - white | Y - yellow

**lamp power** \_\_\_\_\_

- 105 - RCL unidirectional, RETIL, TDZ, THL
- 2×105 - RCL bidirectional

**other specifications** \_\_\_\_\_

- \* code for „other specification“ must be written in alphabetical order
- SPC - on-demand specification

TI711-TDZ/L -W -48 -SPC  
TI712-RCL -WR -2×48

**Note:**

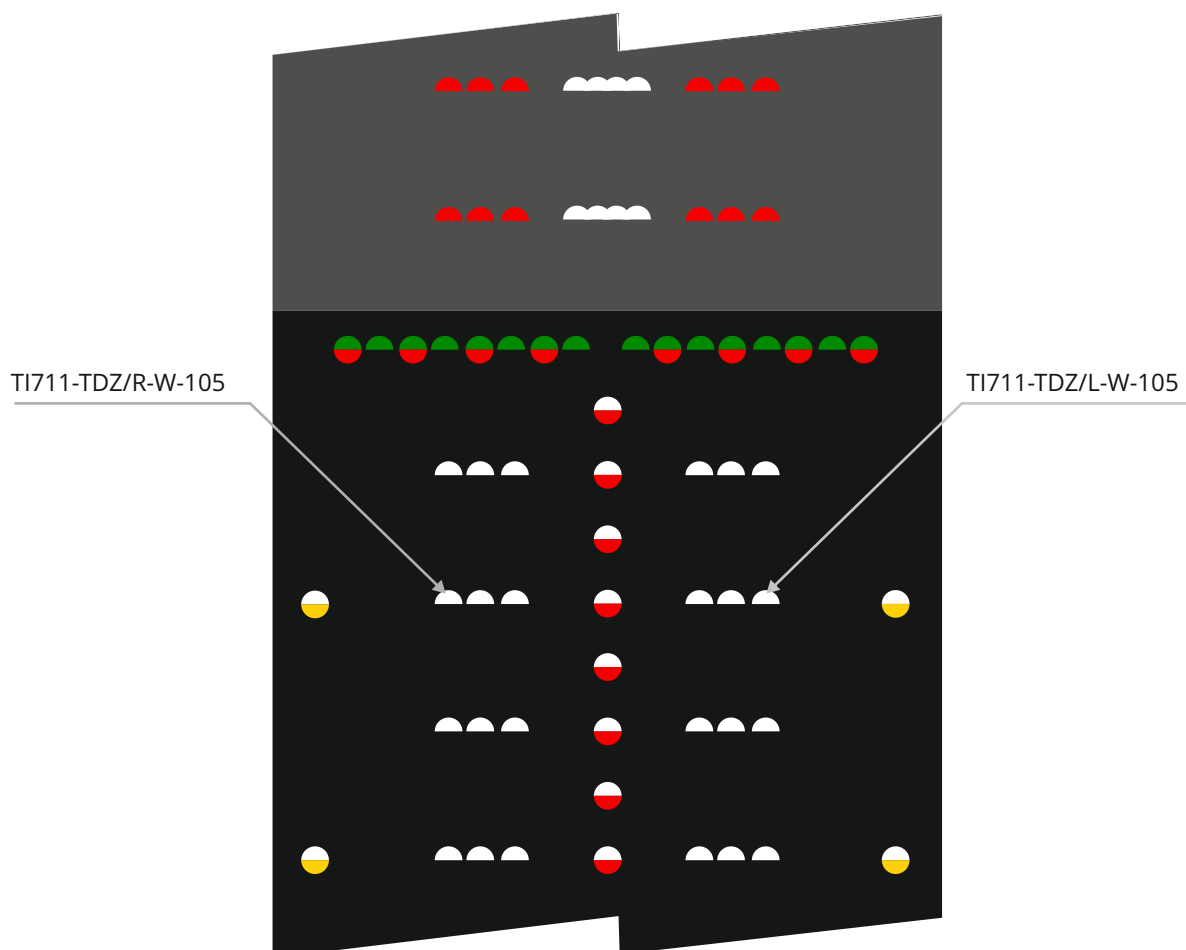
- spaces in examples above used for clarity only
- optional parameters used only if necessary
- lamp power is optional part of ordering code

**Ordering code examples:**

- TI712-RCL-WR bidirectional RWY centre line light, white/red
- TI711-RETIL-Y unidirectional rapid exit taxiway indicator light, yellow
- TI711-TDZ/R-W unidirectional touchdown zone light, right toe-in (in the direction of the beam), white

**Toe-in**

- applies when using shallow bases installed parallel to the RWY centerline
- when using shallow bases installed with toe-in to the RWY centerline, lights without toe-in shall be used

**Certified types according to UCL CR**

|                    |                    |                   |
|--------------------|--------------------|-------------------|
| TI711-RCL-W-105    | TI711-RCL-R-105    |                   |
| TI712-RCL-WW-2×105 | TI712-RCL-WR-2×105 |                   |
| TI713-RCL-WW-2×105 | TI713-RCL-WR-2×105 |                   |
| TI711-RETIL-Y-105  |                    |                   |
| TI711-TDZ-W-105    | TI711-TDZ/L-W-105  | TI711-TDZ/R-W-105 |

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